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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Continuation for: Nnochiri N. Ekwuribe; Christopher H. Price;
Aslam M. Ansari; Amy L. Odenbaugh

Application Serial No.: To Be Assigned

Filed: Concurrently Herewith

For: MIXTURES OF CALCITONIN DRUG-OLIGOMER CONJUGATES COMPRISING
POLYALKYLENE GLYCOL, USES THEREOF, AND METHODS OF MAKING SAME
March 23, 2004

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

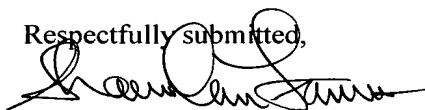
INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a copy of 19 form(s) PTO-1449 as filed in parent application serial number 09/873,777, with the application serial number and filing date of the parent application struck through and the application serial number and filing date of the above-referenced application written in. In addition, a form PTO 1449 is attached with a list of references cited by the Examiner on form PTO 892 in the prosecution of the parent application. A copy of each of the references above has been submitted to, or cited by, the Examiner in the parent application and is not provided herewith. It is requested that all of these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



Shawna Cannon Lemon
Registration No. 53,888

Myers Bigel Sibley & Sajovec, P.A.
P. O. Box 37428, Raleigh, NC 27627
Telephone: (919) 854-1400
Facsimile: (919) 854-1401
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Susan E. Freedman

Date of Signature: March 23, 2004

Substitute form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	To Be Assigned
				Filing Date	Concurrently
				First Named Inventor	Nnochiri N. Ekwuribe
				Group Art Unit	
				Examiner Name	
(use as many sheets as necessary)				Attorney Docket Number	9233-64CT
Sheet	1	of	1		

U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	1	US-6,506,730	B1	Lee et al.	01/14/2003
		US-			
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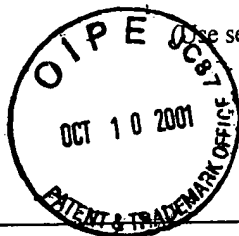
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)



923-
9233-64CT

09/873,777
7, BE
APPLIED
97

Applicants: Ekwuribe et al.

Filing Date: June 4, 2000
Concurrently

Group
1653

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JR	1. 4,179,337	12/18/79	Davis et al.	435	181	
JR	2. 5,359,030	10/25/94	Ekwuribe	530	303	
JR	3. 5,405,877	04/11/95	Greenwald et al.	514	772.3	
JR	4. 5,567,422	10/22/96	Greenwald	424	78.3	
JR	5. 5,681,811	10/28/97	Ekwuribe	514	8	

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Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	6. Banting et al., "Pancreatic Extracts in the Treatment of Diabetes Mellitus," <i>Can. Med. Assoc. J.</i> , 12: 141-146 (1922).
JR	7. H. Allcock & F. Lampe, "Contemporary Polymer Chemistry," 394-403 (2nd. ed., 1991).
JR	8. Y. Chen & G. Baker, "Synthesis and Properties of AMA Amphiphiles," <i>J. Org. Chem.</i> , 64: 6870-6873 (1999).
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JR	11. J. Milton Harris, "Laboratory Synthesis of Polyethylene Glycol Derivatives," <i>J. Macromol. Science - Rev. Macromol. Chem. Phys.</i> , C25(3): 325-373 (1985).

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Jeffrey E. Elisei

DATE CONSIDERED

February 11, 2003

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LIST OF DOCUMENTS CITED BY APPLICANT

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Attorney Docket Number

923-

Serial No.

09/873,777

9233-6401

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OCT 11 2002

Applicants:

Ekwuribe et al.

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Filing Date:

June 4, 2000

Concurrently

Group

1659

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U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JR	1.	5,349,052	09/20/94	Delgado et al.	530	351	

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
JR	2.	0 511 903 A2	11/04/92	EPO	C08G	65/32	X (Abstract)
JR	3.	WO97/14740	04/24/97	PCT	C08G	65/32	X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	4.	International Search Report corresponding to PCT/US02/17575; Date of Mailing: September 25, 2002.					

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Jeffrey E. Russell

DATE CONSIDERED

February 11, 2003

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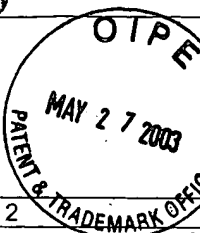
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 Of 2

Application Number 99/873,772 TO BE ASSIGNED
Filing Date June 4, 2001 CONCURRED 2003
First Named Inventor Ekwuribe
Group Art Unit 1654
Examiner Name Jeffrey E. Russel
Attorney Docket Number 9233.64 CT

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Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Class Appear
		Number	Kind Code (if known)			
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JRL	2	4,801,575		Pardridge	01/31/1989	514/1
JRL	3	5,099,074		Mueller et al.	03/24/1992	568/617
JRL	4	5,122,614		Zalipsky	06/16/1992	548/520
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JRL	6	5,320,840		Camble et al.	06/14/1994	421/85.1
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JRL	14	6,011,008		Domb et al.	01/04/2000	514/8

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		Office	Number	Kind Code (if known)				
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JRL	16	EP	0 822 218 A2		Glenn A. Miller, Michael W. Jorgenson, Richard Budnik	02/04/1998	---	
JRL	17	JP	01207320 (Abstract Only)		Daicel Chem Ind Ltd.	08/21/1989	---	
JRL	18	PCT	WO 01/12230		Myung-Ok Park, Kang Choon Lee	02/22/2001	---	

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
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Examiner Signature Jeffrey E. Russel Date Considered July 9 2003

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Institute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/873,777 TO BE ASSIGNED
		Filing Date	June 4, 2001 CONCURRENTLY
		First Named Inventor	Ekwuribe
		Group Art Unit	1654
		Examiner Name	Jeffrey E. Russel
Sheet 2	Of 2	Attorney Docket Number	9233.64CT

OTHER NON PATENT LITERATURE DOCUMENTS			
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JRL	22	Lindsay, D.G., et al., <i>The Acetylation of Insulin</i> , <i>Biochem J.</i> , Vol. 121, pp. 737-745 (1971)	
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JRL	24	Moghaddam, Amir, <i>Use of polyethylene glycol polymers for bioconjugations and drug development</i> , <i>American Biotechnology Laboratory</i> , pp. 42, 44 (July 2001)	
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JRL	27	Sirokman, Geza, et al., <i>Refolding and proton pumping activity of a polyethylene glycol-bacteriorhodopsin water-soluble conjugate</i> , <i>Protein Science</i> , Vol. 2, pp. 1161-1170 (1993)	
JRL	28	Torchilin, Vladimir P., <i>Immunoliposomes and PEGylated Immunoliposomes: Possible Use for Targeted Delivery of Imaging Agents</i> , <i>Immunomethods</i> , Vol. 4, pp. 244-58 (1994)	
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JRL	31	Zalipsky, Samuel, et al., <i>Peptide Attachment to Extremities of Liposomal Surface Grafted PEG Chains: Preparation of the Long-Circulating Form of Laminin Pentapeptide</i> , <i>YIGSR, Bioconjugate Chem.</i> , Vol. 6, pp. 705-8 (1995)	

Examiner Signature	Jeffrey E. Russel	Date Considered	July 9, 2003
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Substitute form 1449/APTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Application Number 69873-2001
Filing Date 06/04/2001
First Named Inventor Nnochiri N. Ekwuribe
Group Art Unit 1711
Examiner Name Duc Truong
Attorney Docket Number 9233-64CT

U.S. PATENTS AND PATENT PUBLICATIONS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
JR	1	2003/0144468	A1	Ekwuribe et al.	07/31/2003	588 / 425
JR	2	2003/0087808	A1	Soltero et al.	05/08/2003	514 / 3
JR	3	2003/0083232	A1	Soltero et al.	05/01/2003	514 / 3
JR	4	2003/0069170	A1	Soltero et al.	04/10/2003	514 / 2
JR	5	2003/0050228	A1	Ekwuribe et al.	03/13/2003	514 / 3
JR	6	2003/0027995	A1	Ekwuribe et al.	02/06/2003	530 / 399
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JR	8	2003/0004304	A1	Ekwuribe et al.	01/02/2003	538 / 425
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JR	11	6,057,292		Cunningham et al.	05/02/2000	514 / 12
JR	12	5,597,797		Clark	01/28/1997	514 / 12

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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
JR	13	Still et al., <i>Methods of Reducing Hypoglycemic Episodes in the Treatment of Diabetes Mellitus</i> , U.S. Serial No. 10/461,199, filed 06/13/2003	
JR	14	Radhakrishnan et al., <i>Insulin Polypeptide-Oligomer Conjugates, Proinsulin Polypeptide-Oligomer Conjugates and Methods of Synthesizing Same</i> , U.S. Serial No. 10/389,499, filed 03/17/2003	
JR	15	Soltero et al., <i>Pharmaceutical Compositions of Insulin Drug-Oligomer Conjugates and Methods of Treating Diseases Therewith</i> , U.S. Serial No. 10/382,155, filed 03/05/2003	
JR	16	Soltero et al., <i>Pharmaceutical Compositions of Drug-Oligomer Conjugates and Methods of Treating Diseases Therewith</i> , U.S. Serial No. 10/382,069, filed 03/05/2003	
JR	17	Soltero et al., <i>Insulin Polypeptide-Oligomer Conjugates, Proinsulin Polypeptide-Oligomer Conjugates and Methods of Synthesizing Same</i> , U.S. Serial No. 10/382,022, filed 03/05/2003	
JR	18	Ekwuribe et al., <i>Calcitonin Drug-Oligomer Conjugates, and Uses Thereof</i> , U.S. Serial No. 10/166,355, filed 11/08/2002, including Preliminary Amendment dated 02/28/2003 and Supplemental Preliminary Amendment dated 03/31/2003	
JR	19	Ekwuribe et al., <i>Mixtures of Drug-Oligomer Conjugates Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same</i> , U.S. Serial No. 09/873,797, filed 06/04/2001	
JR	20	Ekwuribe et al., <i>Hydrophilic and Lipophilic Balanced Microemulsion Formulations of Free-Form and/or Conjugation-Stabilized Therapeutic Agents Such as Insulin</i> , U.S. Serial No. 09/614,203, filed 07/12/2000	
JR	21	Hinds et al., <i>Synthesis and Characterization of Poly(ethylene glycol)-Insulin</i> , <i>Bioconjugate Chem.</i> , Vol. 11, 2000, pp. 195-201	
JR	22	Ekwuribe et al., <i>Amphiphilic Prodrugs</i> , U.S. Serial No. 09/474,915, filed 12/31/1999	

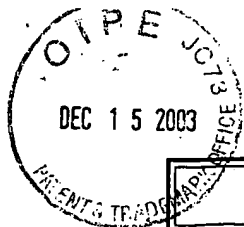
Examiner Signature

Jeffrey E. Russell

Date Considered

December 30, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.



Applicants
09/873,777

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

MIXTURES OF CALCITONIN DRUG-OLIGOMER
CONJUGATES COMPRISING POLYALKYLENE GLYCOL,
USES THEREOF, AND METHODS OF MAKING SAME

Application Number: 09/873777 TO BE ASSIGNED



Confirmation Number: 2316

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233.64 CT

Art Unit: 1654

Examiner: Jeffrey E. Russel

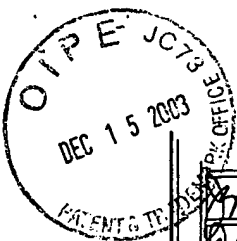
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or 20030069170 or 20030050228 or
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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
RL	1	3256153	1966-06-14	Heimlech		424	497
RL	2	3868356	1975-02-25	Smyth		530	303
RL	3	3919411	1975-11-11	Glass et al.		424	78.27
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RL	5	4003792	1977-01-18	Mill et al.		530	303



09/873,777

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14	4348387	1982-09-07	Brownlee et al.
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17	4554101	1985-11-19	Hopp
18	4579730	1986-04-01	Kidron et al.
19	4585754	1986-04-29	Meisner et al.
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22	4698264	1987-10-06	Steinke
23	4717566	1988-01-05	Eckenhoff et al.
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29	4849405	1989-07-18	Ecanow
30	4917888	1990-04-17	Katre et al.
31	4935246	1990-06-19	Ahrens
32	4946828	1990-08-07	Markussen
33	4957910	1990-09-18	Sutton et al.
34	4963367	1990-10-16	Ecanow
35	4963526	1990-10-16	Ecanow
36	5013556	1991-05-07	Woodle et al.
37	5055300	1991-10-08	Gupta
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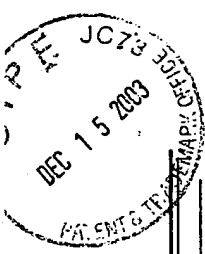
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09/873,777

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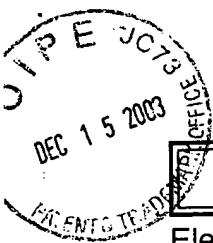
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Examiner Name	Date
Jeffrey E. Russel	December 30, 2003



09/873,777

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	MIXTURES OF CALCITONIN DRUG-OLIGOMER CONJUGATES COMPRISING POLYALKYLENE GLYCOL, USES THEREOF, AND METHODS OF MAKING SAME
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Application Number: ~~09/873,777~~ TO BE ASSIGNED

Confirmation Number: 2316

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233.64CT

Art Unit: 1654

Examiner: Jeffrey E. Russel

Search string: (5304473 or 5308889 or 5312808 or 5324775
or 5328955 or 5405621 or 5413791 or 5415872
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or 5866538 or 5866584 or 5874111 or 5898028
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87L	2	5308889	1994-05-03	Rhee et al.		523/113	
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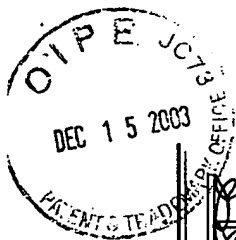
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

MIXTURES OF CALCITONIN DRUG-OLIGOMER
CONJUGATES COMPRISING POLYALKYLENE GLYCOL,
USES THEREOF, AND METHODS OF MAKING SAME

Application Number: ~~09/873,777~~ TO BE ASSIGNED
Confirmation Number: 2316
First Named Applicant: Nnochiri Ekwuribe
Attorney Docket Number: 9233.64
Art Unit: 1654
Examiner: Jeffrey E. Russel
Search string: (5907030 or 5922675 or 5932462 or 5942248
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or 5968549 or 5969040 or 5981709 or 5985263
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Jeffrey E. Russel	December 30, 2003

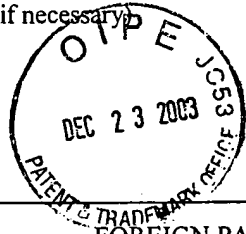
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Patent and Trademark Office

Attorney Docket Number
9233-64CT

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LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)



Applicants:
Ekwuribe et al.

Filing Date
~~June 4, 2001~~ CONCURRENTLY

Group
1654

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JRL	2.	EP 0 031 567	07/08/81	EPO	_____	_____	
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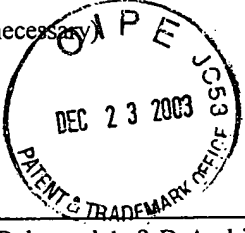
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Jeffrey E. Russell

DATE CONSIDERED January 7, 2004

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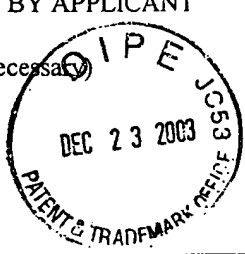
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Jeffrey E. Russell

DATE CONSIDERED

January 7, 2004

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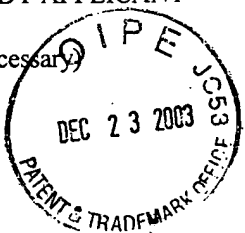
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Jeffrey E. Russell

DATE CONSIDERED January 8, 2004

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Applicants: Ekwuribe et al.	
		Filing Date June 4, 2001 CONCURRENTLY	Group 1654
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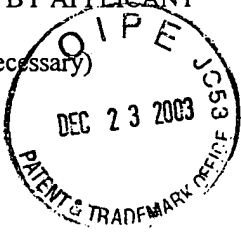
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		Applicants: Ekwuribe et al.	
		Filing Date June 4, 2001 CONCURRENTLY	Group 1654
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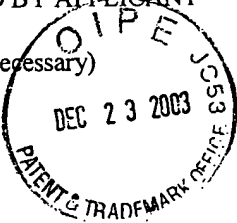
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